

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-023499**Date Inspected:** 13-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Liu Hua Jie.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG components.**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) Mr. Shailesh Wadkar was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS)

Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA Inspector observed and/or found the following:

Bay 14:

This QA Inspector observed the following work in progress:

OBG Seg 13AW:

Repair welding of weld joint no: Seg3013AH-001 [Deck Panel (DP) diaphragm (of DP3082A) to stiffener (X3897A), complete joint penetration (CJP) weld at Panel Point (PP) 118]. The welder is identified as 066443 and was observed welding in the 2G position. Welding process was identified as Shielded Metal Arc Welding (SMAW). ZPMC Quality Control (QC) was identified as Zhang Ling. The welding variables recorded by this QC appeared to comply with welding procedure specification (WPS): 345-SMAW-2G(2F)-FCM-Repair-1. Repair welding was done as per Welding Repair Report (WRR): 20882 Rev-0.

Repair welding of weld joint no: Seg3013C-169 [X4199G I-rib stiffener to Floor Beam (FB) 3202A, CJP weld at PP120]. The welder is identified as 069683 and was observed welding in the 2G position. Welding process was identified as SMAW. ZPMC QC was identified as Zhang Ling. The welding variables recorded by this QC

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appeared to comply with WPS: 345-SMAW-2G(2F)-FCM-Repair-1. Repair welding was done as per WRR: 20962 Rev-0.

Repair welding of weld joint no: Seg3013D-163 [RS stiffener (RS3480D) to FB3194A, CJP weld at PP119.65]. The welder is identified as 066326 and was observed welding in the 2G position. Welding process was identified as SMAW. ZPMC QC was identified as Zhang Ling. The welding variables recorded by this QC appeared to comply with WPS: 345-SMAW-2G(2F)-FCM-Repair-1. Repair welding was done as per WRR: 20279 Rev-0.

Repair welding of weld joint no: Seg3013M-079 ([RS3433G on SP3101A to FB3179A, CJP weld at PP118.35). The welder is identified as 066019 and was observed welding in the 3G position. Welding process was identified as SMAW. ZPMC QC was identified as Zhang Ling. The welding variables recorded by this QC appeared to comply with WPS: 345-SMAW-3G(3F)-FCM-Repair-1. Repair welding was done as per WRR: 20911 Rev-0.

OBG Seg 13AW and Seg 13BW:

The SMAW process on weld joint no: OBW13-003 [Side Panel (SP) to SP, CJP splice weld]. The welder is identified as 066361 and was observed welding in 4G position. ZPMC QC was identified as Zhou Peng. The welding variables recorded by this QC appeared to comply with WPS: B-P-2214-B-U2-FCM-1.

OBG Seg 13AE:

The Flux Cored Arc Welding (FCAW) process on weld joint no: SP3071-083 [RS stiffener (RS3101D) to stiffener X3487B, CJP weld at PP118.35]. The welder is identified as 067079 and was observed welding in 3G position. ZPMC QC was identified as Zhong Gang. The welding variables recorded by this QC appeared to comply with WPS: B-T-2233-ESAB.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable Contract documents.

Summary of Conversations:

No significant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang; phone: 15000422372., who represents the Office of Structural Materials for your project.

Inspected By:	Wadkar,Sailesh	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
